INPUT FILTER PCB.

230 AC INPUT

680K

LIVE

2N2

NUL

100N

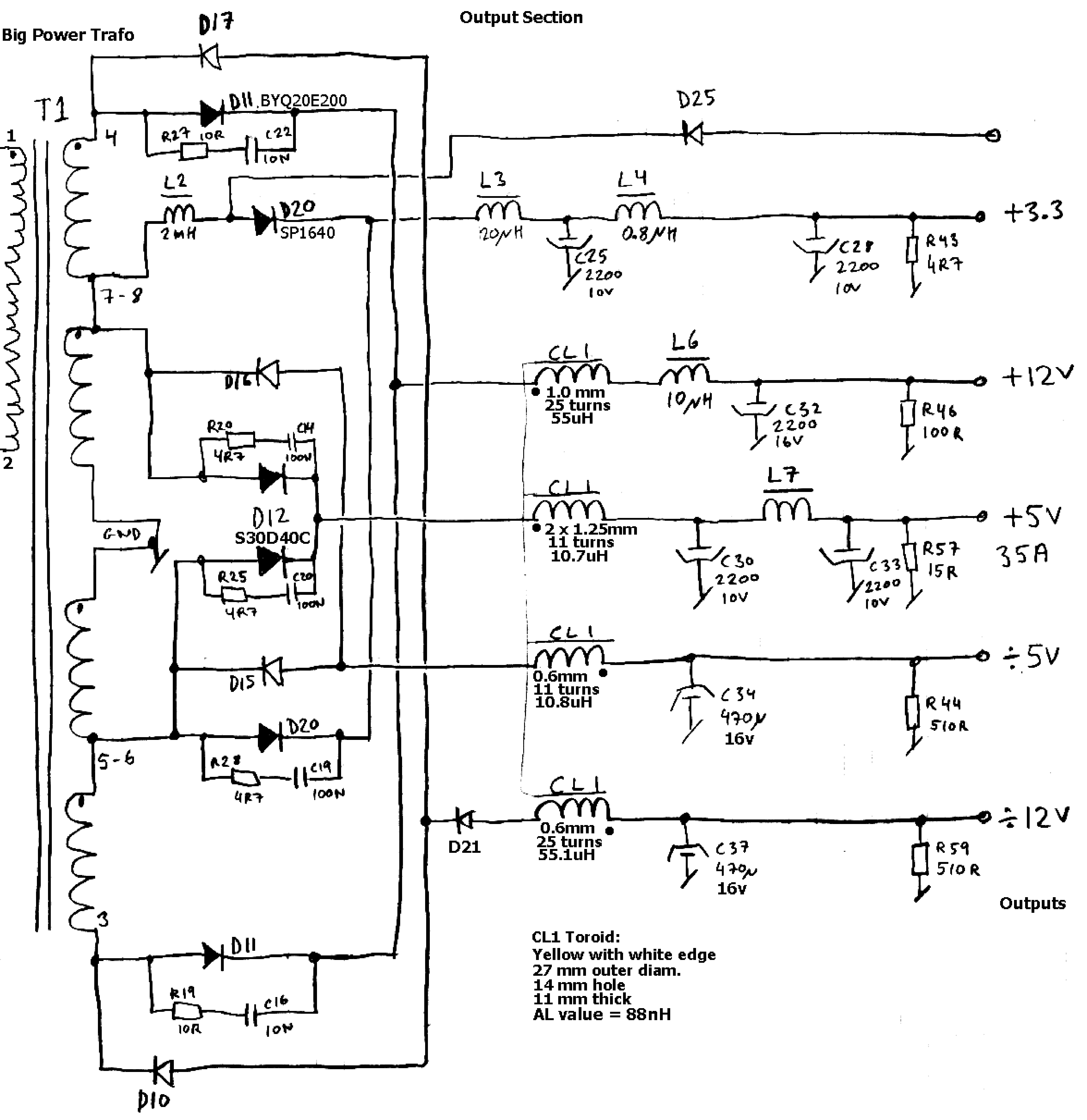
2N2

MONITOR OUT

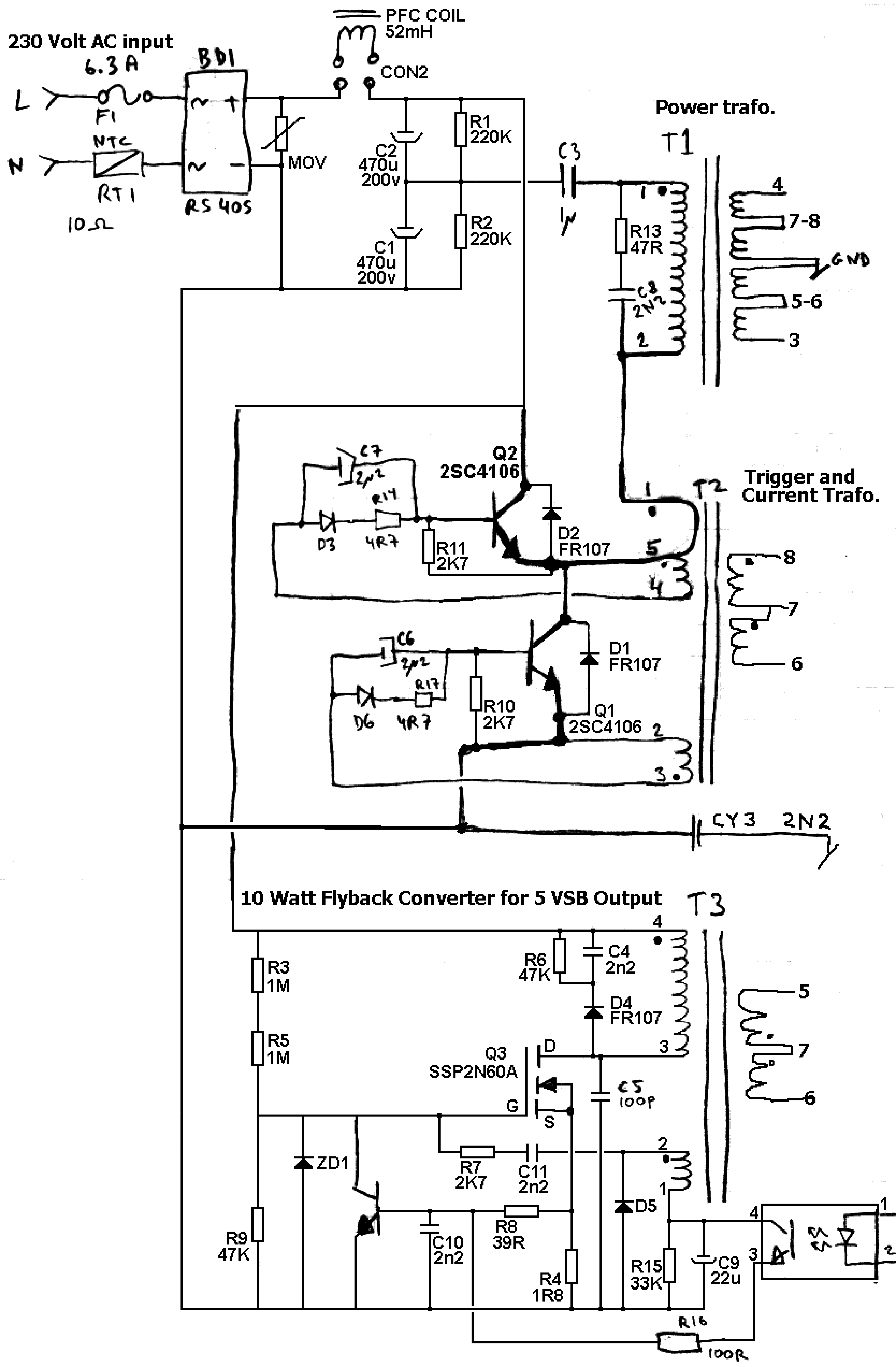
LIVE

NUL

CASE



Big Power Trafo
Output Section
T1
D17
D11 BYQ20E200
R27 10R
C22 10N
D25
L2
2mH
D20
SP1640
L3
20nH
L4
0.8nH
+3.3
C25 2200 10V
C28 2200 10V
R43 4R7
7-8
D16
CL1
1.0 mm
25 turns
55uH
L6
10nH
+12V
C32 2200 16V
R46 100R
R20 4R7
C14 100N
D12
S30D40C
CL1
2 x 1.25mm
11 turns
10.7uH
L7
+5V
35A
GND
R25 4R7
C20 100N
C30 2200 10V
C33 2200 10V
R57 15R
D15
CL1
0.6mm
11 turns
10.8uH
÷5V
C34 470N 16V
R44 510R
D20
R28 4R7
C19 100N
5-6
CL1
D21
0.6mm
25 turns
55.1uH
÷12V
C37 470N 16V
R59 510R
Outputs
3
D11
R19 10R
C16 10N
D10
CL1 Toroid:
Yellow with white edge
27 mm outer diam.
14 mm hole
11 mm thick
AL value = 88nH

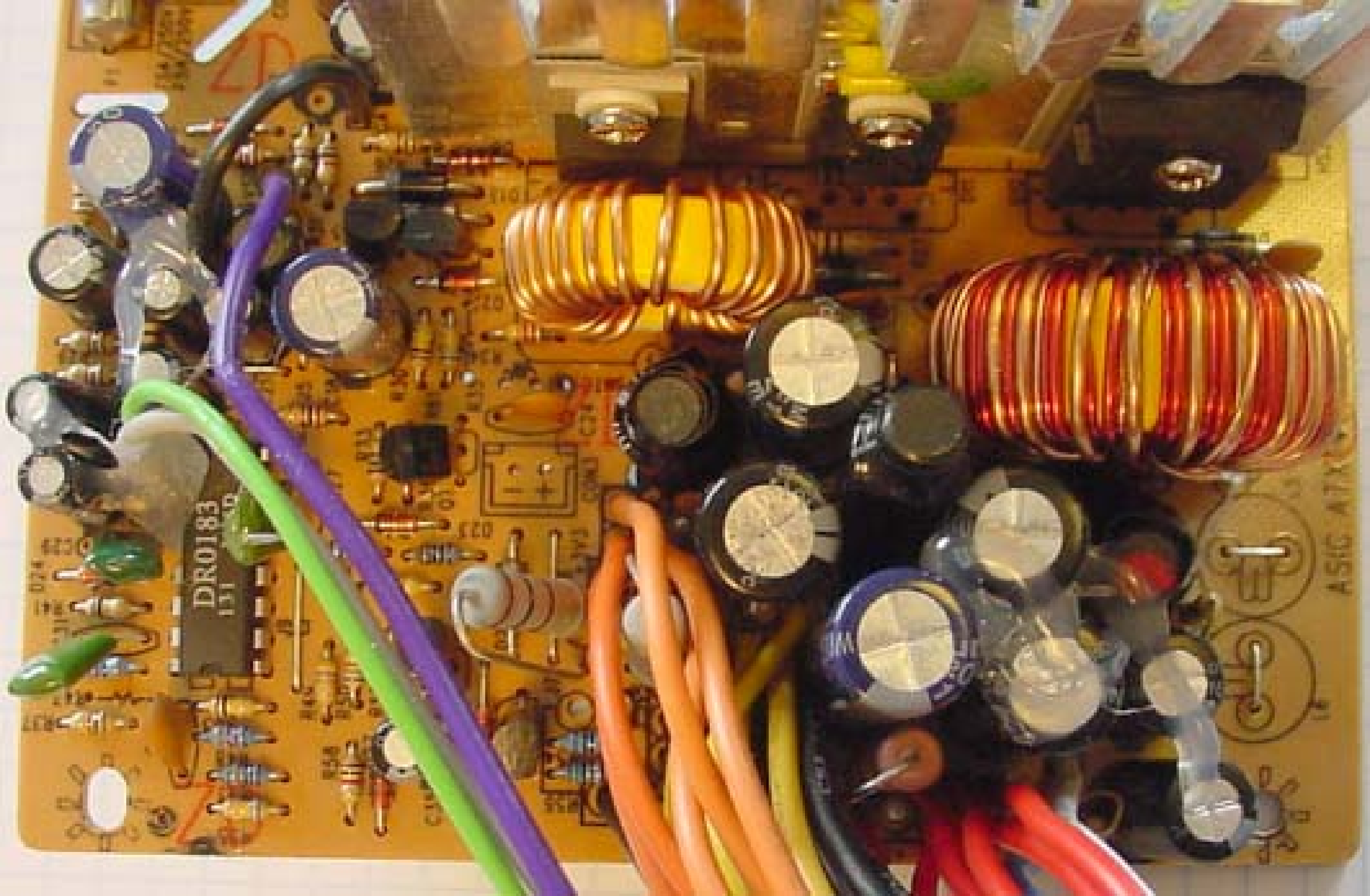


230 Volt AC input
6.3 A
L
N
F1
NTC
RT1
10Ω
BD1
RS 405
PFC COIL
52mH
CON2
MOV
C2
470u
200v
C1
470u
200v
R1
220K
R2
220K
C3
1u
Power trafo.
T1
R13
47R
C8
2N2
1
2
4
7-8
GND
5-6
3
Q2
2SC4106
C7
2n2
D3
R14
4R7
R11
2K7
D2
FR107
T2
Trigger and
Current Trafo.
1
5
4
8
7
6
C6
2n2
D6
R17
4R7
R10
2K7
D1
FR107
Q1
2SC4106
2
3
CY3
2N2
10 Watt Flyback Converter for 5 VSB Output
T3
4
R6
47K
C4
2n2
D4
FR107
3
5
7
6
R3
1M
R5
1M
Q3
SSP2N60A
D
G
S
C5
100P
2
1
ZD1
R7
2K7
C11
2n2
D5
R9
47K
C10
2n2
R8
39R
R4
1R8
R15
33K
C9
22u
4
3
1
2
R16
100R

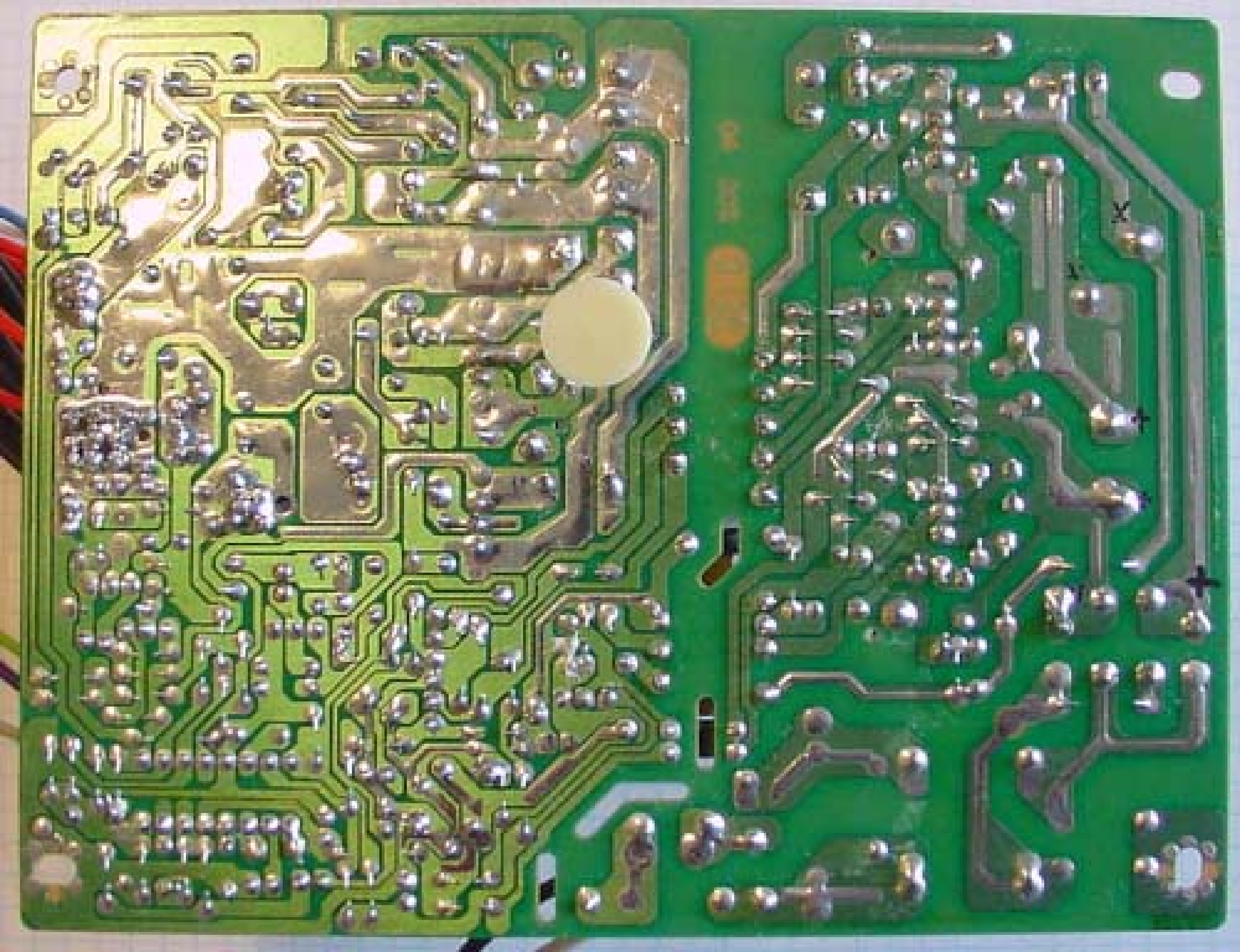



SWITCHING POWER SUPPLY
MODEL: LC-A400ATX PFC
INPUT
115/230V~, 8/4A
60/50Hz
TÜV
CB
CE S N D FI
OUTPUT:400W
+3.3V 24A ORANGE
+ 5V 35A RED
+ 12V 12A YELLOW
+ 5VSB 2A PURPLE
- 5V 0.5A WHITE
- 12V 0.8A BLUE
PS-ON GREEN
P.G GREY
Better Quality with
Temperature Controlled Fan


EE-19 N
EE-19 CDN
EI-33ASA

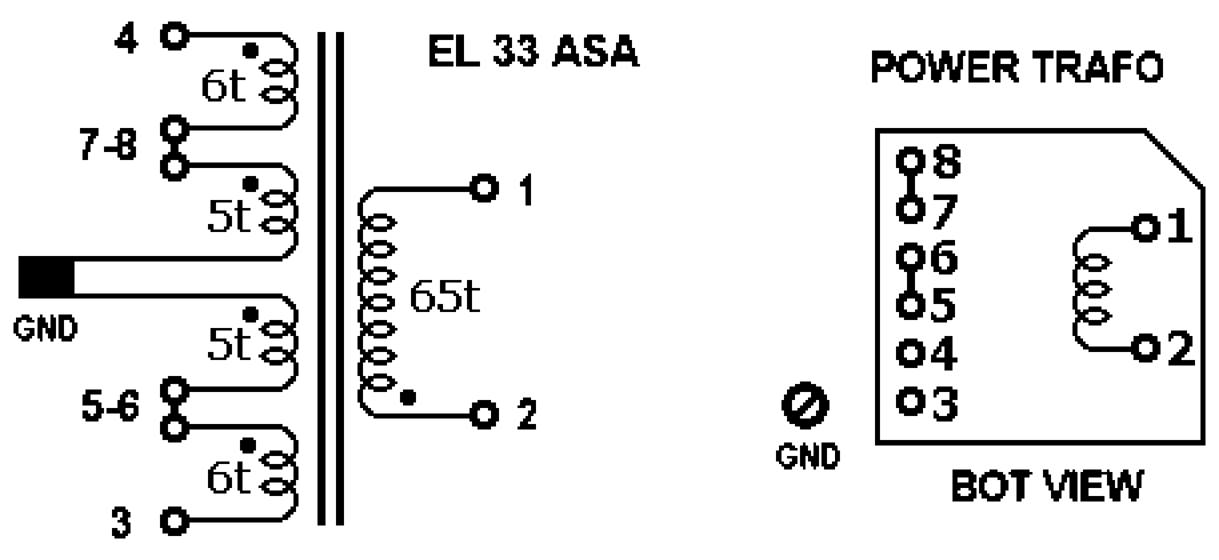

DR0183

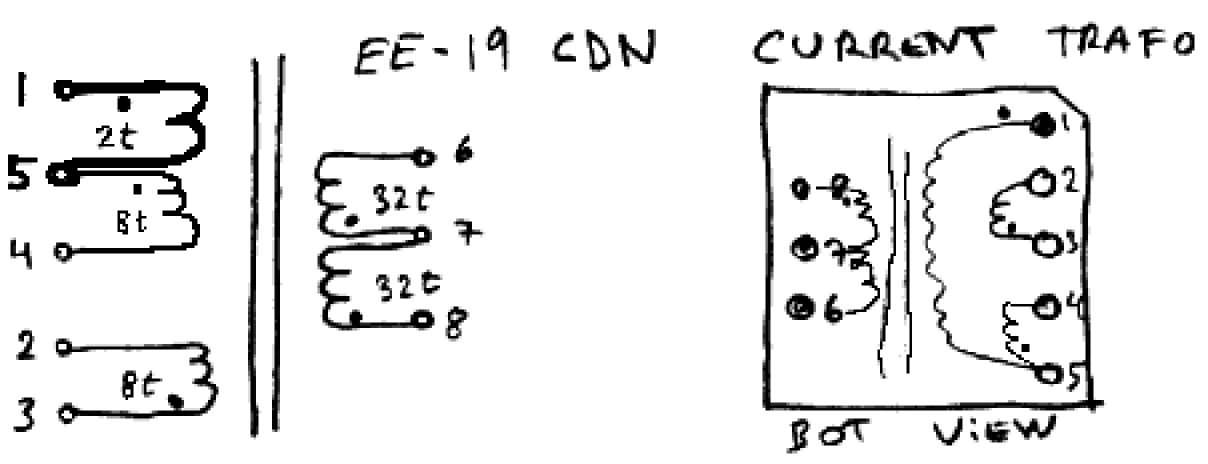


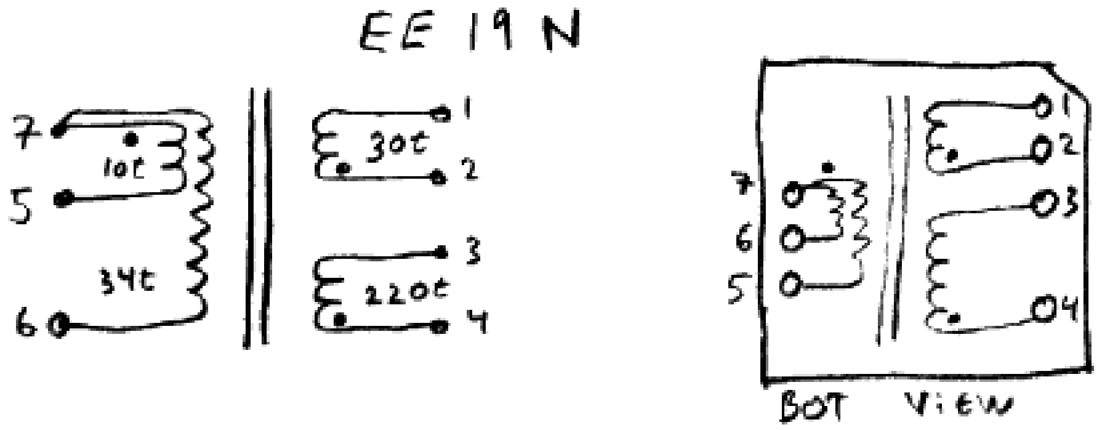




Power Good Output
P. G.
ON ACTIVATE
From Outputs
+12
FAN
SNTC 10K
C24 10N
R34 6K2
ZD? 5V
R33 150
Q7
2SD882
1% R39 2K
1% R38 1K
1% R53 100K
1% R45 34K
C39 100n
R55 680K
1% R48 43K
+5V
R63 100K
R40 4K7
+3v3
R42 4R7
1% R54 510R
1% R56 1K5
R51 100R
R49 4R7
C35 2N2
U3
CP431
2.48
2.56V
R52 100R
Q8 8550
R50 6K8
D27 1N4148
R58 1K
D26 1N4148
TIL D25
÷5V
÷12V
Controller IC U2 DR 0183
11
9
13
VDD (4.3 - 5.5)
3 (2.3 - 4.8 lim chk)
16 (2.48 V comperator) (Duty Cycle Controll)
2 (3.0 - 6.0 lim chk)
1 (2.0 - 4.0 lim chk)
(1.2 lim) 4
GND 5
6
14
15
12
10
60 kHz
OSC RAMP
Active low Outputs
8
7
D23
C27 2n2
R41 100K
C31 4N7
C29 100N
C26 2N2
R30 100K
R61 680K
D24
C13 1N
C36 4N7
R37 1K
C23 10N
R60 10R
R29 1K
R21 1K
R52 1K
R31 1K
Small Drivers
Q5
Q6
2SC945
D13
D22
C21 1N
D19
T2
Primær Side
R18 100R
Small trigger and Current Trafo.
D8
R26 1K5
D14
(+16V DC)
+ 5 VSB OUT 2A MAX
10 Watt Flyback Converter
L1
D7
T3
R24 470R
C18 1000N
C17 1000N
Prim. Side
D6
C15 47N
R22 1K6
R62 27K
C38 10N
R23 10R
U1
2.47V
U4
3.78V
CP431
R64 1K5
Voltage Comperator


EL 33 ASA
POWER TRAFO
4
6t
7-8
5t
GND
5t
5-6
6t
3
1
65t
2
8
7
6
5
4
3
1
2
GND
BOT VIEW


EE-19 CDN CURRENT TRAFO
1
2t
5
8t
4
2
8t
3
6
32t
7
32t
8
1
2
3
4
5
6
7
8
BOT VIEW


EE 19 N
7
5
6
10t
34t
1
2
30t
3
4
220t
7
6
5
1
2
3
4
BOT VIEW